Journal of Sedimentary Petrology

INDEX TO VOLUME 28

A defense of the term alterite 234
Aeolian microenvironments by mechanical composition, Differention of various Egyptian 164
Alberta, Sedimentary "boudinage" structures in the Upper Devonian Ireton Formation of 316
Alkali metals in some Gulf of Mexico sediments, Occurrence of 431
Alteration of volcanic ash near Denver, Colorado 31
Alterite, A defense of the term 234
Amstutz, G. C., article by 498
Announcements 112, 241, 517–518
An occurrence of flat-topped ripple marks 95
A statistical study of heavy minerals in sands of the South River, Augusta County, Virginia 111
Aurèle La Rocque, The Admirable Discourses of Bernard Palissy, review of. 379

Banded iron formations, Fresh-water environment of deposition of Precambrian 414
Barrier islands in panhandle Florida, Possible abandoned 342
Bauxite-clay-iron oxide ore, Proposed classification and terminology of rocks in the series 93
Beals, H. O., article by 233
Beaumont Clay, Size distributions of zircon grains in some samples of the lower .. 36
Berry, W. B. N., article by 389
Bissell, H. J., article by 490
Boucot, A. J., article by 321
Bottom sediments of southern part of Pyramid Lake, Nevada 286
"Boudinage" structures in the Upper Devonian Ireton Formation of Alberta, Sedimentary 316
Brace, W., article by 321
Brachiopod and pelecypod shells by currents, Distribution of 321
Brenneman, L., article by 242
Briggs, L. I., article by 46
Briggs, L. I., errata by 384
British Upper Carboniferous shales, Preliminary observations on chemical data for some 209
Bryozoan core facies, Mississippian bioherms, southwestern United States, Fenestrate 261
Buerger, M. J., "Elementary Crystallography," review of 237

Calcium carbonate in the shelf sediments off east coast of India, Distribution of 274
Carozzi, A. V., article by 133
Carozzi, A. V., review by 240
Carroll, D., errata by 111
Chayes, F., "Petrographic Modal Analysis" review of 236
"Chemistry in Introductory Geology," review of 240
Chert in the Middle Ordovician Hardy Limestone of Southwest Virginia, Syngenetic 205
Chilingar, G. V., article by 490
Classification and terminology of rocks in the series bauxite-clay-iron oxide ore, Proposed 93
Clay accumulation, Tidal action as the cause of 406
Clay mineral composition of Recent sediments from the Mississippi River Delta 186
Colorado, Alteration of volcanic ash near Denver 31
Comments on "Some apparently misunderstood aspects concerning stylolites" 378
Comparison of phi percentile deviations 203
Concretion, Rate of formation of a diagenetic calcareous 366
Coprolites: a review of the literature and a study of specimens from southern Washington 498
Core facies, Mississippian bioherms, southwestern United States, Fenestrate bryozoan 261
Corer for use in shallow water, Description of a portable piston 227
Corrosion zones: a modified hypothesis of their origin 486
Cow Run Sand, St. Marys, West Virginia, Petrography and porosity of 15
Cropp, F., article by 102
Currents, Distribution of brachiopod and pelecypod shells by 321
Cyclic deposition in the Jrasssic Carmel Formation of eastern Utah 40
Cyclic patterns in mechanically deposited Pennsylvanian limestones of northeastern Nevada 3

Davis, S. N., article by 87
Dawson, R. E., article by 361
Decantation, Settling tube for mechanical analysis by 509
DeMar, R., article by 321
Denver, Colorado, Alteration of volcanic ash near 31
Depositional environment of the Ordovician succession in the Marathon region, Texas 389
Depositional environment, Probability curves and the recognition of adjustment to 151
Description of a portable piston corer for use in shallow water 227
Detrital and non-detrital fractions of limestones, Techniques of sedimentary geochemistry: (1) separation of the 468
Diagenetic dolomitization, Notes on 490
"Die Quarzkornfarbe als Hilfsmittel für die stratigraphische und Paläogeographis-

che Erforschung sandiger Sedimente and Die Lithologie und Paläogeographie des Buntsandsteins am Westrand der Böhmischen Masse," review of ... 240
Differentiation of beach, dune, and aeolian flat environments by size analysis, Mustang Island, Texas ... 211
Differentiation of various Egyptian aeolian microenvironments by mechanical composition ... 164
Dip direction indicator ... 230
Displacement of microfossils ... 453
Distribution of calcium carbonate in the shelf sediments off east coast of India 274
Dolomitization, Notes on diagenetic ... 490
"Dolostone" ... 514
Dott, Jr., R. H., article by ... 3
Droste, J. B., article by ... 345
Dunbar, C. O. and Rodgers, J., "Principles of Stratigraphy," review of ... 237

Egyptian aeolian microenvironments by mechanical composition, Differentiation of various ... 164
Electron micrography of till matrix ... 345
"Elementary Crystallography," review of . 237
Environment along the coast of panhandle Florida, Roundness as an indicator of 351
Epicontinental environment, Micro-mechanisms of sedimentation in the ... 133
Etching technique for use on thin sections of limestones ... 200
Evaporite facies ... 46

Fenestrate bryozoan core facies, Mississippian bioherms, southwestern United States ... 261
Fifth International Congress of Sedimentology ... 112
Florida, Possible abandoned barrier islands in panhandle ... 342
Florida, Roundness as an indicator of environment along the coast of panhandle 351
Florida, Sedimentary analysis of terrace deposits in panhandle ... 75
Folk, R. L., article by ... 211
Fresh-water environment of deposition of Precambrian banded iron formations 414

Garrels, R. M., review by ... 240
Geochemistry: (1) separation of the detrital and non-detrital fractions of limestones, Techniques of sedimentary ... 468
Geological studies on the Great Bahama Bank, errata ... 111
"Geologic Field Methods," review of ... 238
Glacial till, Size distribution of rock types in stream gravel and ... 87
Goldman, M. I., discussion by ... 510
Great Slave Lake, Northwest Territories, Recent grooving in lake bottom sediments at ... 333
Green, K. E., article by ... 227
Greensmith, J. T., article by ... 209
Greywacke Series, Two uncescribed structures in a ... 97
Griffiths, J. C., article by ... 15
Grim, R. E., article by ... 186
Gulf of Mexico sediments, Occurrence of alkali metals in some ... 431
Gypsum, "Superindividuals," and selenite in gypsum rock, Problem of the origin of fine-grained ... 510

Hardy Creek Limestone of southwest Virginia, Syngenetic chert in the Middle Ordovician ... 205
Harris, L. D., article by ... 205
Harris, S. A., articles by ... 151, 164
Heavy mineral variation in San Antonio and Mesquite Bays of the central Texas coast ... 65
Henderson, D. M., review by ... 237
Hirst, D. M., article by ... 468
Hough, J. L., articles by ... 102, 414

India, Distribution of calcium carbonate in the shelf sediments off coast of ... 274
"Introduction to Microfossils," review of . 239
Ireton Formation of Alberta, Sedimentary "boudinage" structures in the Upper Devonian ... 316
Iron formations, Fresh-water environment of deposition of Precambrian banded 414

Johns, W. D., article by ... 186
Jones, D. J., article by ... 453
Jones, D. J., "Introduction to Microfossils", review of ... 239
Journal of Sedimentary Petrology, Rules and suggestions for preparation of manuscripts for the ... 102
Jurassic Carmel Formation of eastern Utah, Cyclic deposition in the ... 40

Keller, W. D., "Chemistry in Introductory Geology," review of ... 240
Konta, J., article by ... 93
Krumbein, W. C., article by ... 175
Kuenen, Ph. H., article by ... 406

Lake bottom sediments at Great Slave Lake, Northwest Territories, Recent grooving in ... 333
Lapinsky, W. J., article by ... 75
Lees, A., article by ... 200
Limestones, Etching technique for use on thin sections of ... 200
Limestones, Techniques of sedimentary geochemistry: (1) separation of the detrital and non-detrital fractions of 468
Lissie Formation, Size distribution of zircon and tourmaline grains in some samples of the ... 361
Low, J. W., "Geologic Field Methods," review of ... 238

Manuscripts for the *Journal of Sedimentary Petrology*, Rules and suggestions for the preparation of ... 102
Marathon region, Texas, Depositional environment of the Ordovician succession in the ... 389
Marine salts from sediment samples, Rapid removal of ... 231

Mason, C. C., article by ... 211
Mass movements in Permian rocks of Trans-Pecos Texas ... 298
McAllister, R. F., article by ... 231
McCrossan, R. G., article by ... 316
McMaster, R. L., note by ... 515
Meader, R. W., article by ... 286
Measurement and error in regional stratigraphic analysis ... 175
Mechanically deposited Pennsylvania limestones of northeastern Nevada, Cyclic patterns in ... 3
Membership list, S.E.P.M. ... 115
Merrill, W. M., review by ... 238
Mesquite Bays of the central Texas coast, Heavy mineral variation in San Antonio and ... 65
Metals in some Gulf of Mexico sediments, Occurrence of alkali ... 431
Microenvironments by mechanical composition, Differentiation of various Egyptian aeolian ... 164
Microfossils, Displacement of ... 453
Micro-mechanisms of sedimentation in the epicontinental environment ... 133
Miller, R. L., review by ... 236
Mississippian bioherms, southwestern United States, Fenestrate bryozoan core facies ... 261
Mississippi River Delta, Clay mineral composition of recent sediments from the ... 186
Modification of underwater surface sediment layers by sea mussels (*Mytilus edulis*) ... 515
Mussels (*Mytilus edulis*), Modification of underwater surface sediment layers by sea ... 515
Mustang Island, Texas, Differentiation of beach, dune, and aeolian flat environments by size analysis ... 211
(*Mytilus edulis*), Modification of underwater surface sediment layers by sea mussels ... 515

Nairn, A. E. M., article by ... 57
Nevada, Bottom sediments of southern part of Pyramid Lake ... 286
Nevada, Cyclic patterns in mechanically deposited Pennsylvanian limestones of northeastern ... 3
New abrasive for sectioning water-soluble rocks ... 233
Newell, N. D., errata by ... 111
New technique for measuring roundness of sand grains ... 108
Nicholls, C. D., article by ... 468
Northwest Territories, Recent grooving in lake bottom sediments at Great Slave Lake ... 333
Notes on diagenetic dolomitization ... 490

Occurrence of alkali metals in some Gulf of Mexico sediments ... 431
Occurrence of flat-topped ripple marks, An ... 95
Ogniben, L., errata by ... 111
Ordovician Hardy Creek Limestone of southwest Virginia, Syngenetic chert in the Middle ... 205
Ordovician succession in the Marathon region, Texas, Depositional environment of the ... 389

Panhandle Florida, Sedimentary analysis of terrace deposits in ... 75
Pantin, H. M., article by ... 366
Patterns in mechanically deposited Pennsylvanian limestones of northeastern Nevada, Cyclic ... 3
Pelecypod shells by currents, Distribution of brachiopod and ... 321
Pennsylvanian Limestones of northeastern Nevada, Cyclic patterns in mechanically deposited ... 3
Permian Basin Section Field Trip, 1958 ... 112
Permian Basin Section Field Trip, 1959 ... 517
Permian rocks of Trans-Pecos Texas, Mass movements in ... 298
"Petrographic Modal Analysis," review of 236
Petrography and porosity of the Cow Run Sand, St. Marys, West Virginia ... 15
Petrology of the Whita Sandstone, southern Scotland ... 57
Pettijohn F. J., note by ... 378
Phi percentile deviations, Comparison of ... 203
Poole, D. M., article by ... 65
Porosity of the Cow Run Sand, St. Marys, West Virginia, Petrography and ... 15
Possible abandoned barrier islands in panhandle Florida ... 342
Powell, W. F., article by ... 36
Pray, L. C., article by ... 261
Precambrian banded iron formations, Fresh-water environment of deposition of ... 414
Preliminary observations on chemical data from some British Upper Carboniferous shales ... 209
"Principles of Stratigraphy," review of ... 237
Probability curves and the recognition of adjustment to depositional environment ... 151
Problem of the origin of fine-grained gypsum, "Superindividuals," and selenite in gypsum rock ... 510
Program for S.E.P.M., Los Angeles meeting 113
Prokopovich, N., article by ... 509
Proposed classification and terminology of rocks in the series bauxite-clay-iron oxide ore ... 93
Pryor, W., article by ... 230
Publication of a French Translation, "Les Methodes d'Etude des Roches sedimentaries," of a Russian Symposium on the Methods of Study of Sedimentary Rocks ... 241

Rao, M. S., article by ... 274
Rapid removal of marine salts from sediment samples ... 231
Rate of formation of a diagenetic calcareous concretion ... 366
Recent grooving in lake bottom sediments at Great Slave Lake, Northwest Territories ... 333
Recent sediments from the Mississippi River Delta, Clay mineral composition of ... 186

Reish, D. J., article by 227
Relations of gypsum and anhydrite 111
Revell, S. R., article by 75
Richards, H. G., article by 40
Rigby, J. K., article by 298
Rigby, J. K., errata by 111
Ripple marks, An occurrence of flat-topped 95
Robson, D. A., note by 108
Rock types in stream gravel and glacial till, Size distribution of 87
Rogers, J. J. W., articles by 36, 361
Roundness as an indicator of environment along the coast of panhandle Florida 351
Roundness of sand grains, New technique for measuring 108
Rules and suggestions for preparation of manuscripts for the *Journal of Sedimentary Petrology* 102

San Antonio and Mesquite Bays of the central Texas coast, Heavy mineral variation in 65
Schlocker, J., article by 15
Schnitzer, W. A., "Die Quarzkornfarbe als Hilfsmittel für die stratigraphische und Paläogeographische Erforschung sandiger Sedimente and Die Lithologie und Paläogeographie des Buntsandsteins am Westrand der Böhmischen Masse," review of 240
Scotland, Petrology of the Whita Sandstone, southern 57
Scott, H. W., reviews by 237, 239
Sectioning water-soluble rocks, New abrasive for 233
Sedimentary analysis of terrace deposits in panhandle Florida 75
Sedimentary "boundinage" structures in the Upper Devonian Ireton Formation of Alberta 316
Sedimentation in the epicontinental environment, Micro-mechanisms of 133
Sediment samples, Rapid removal of marine salts from 231
Selenite in gypsum rock, Problem of the origin of fine-grained gypsum, "Superindividuals," and 510
Settling tube for mechanical analysis by decantation 509
Seventh National Conference on Clays 241
Shaub, B. M., note by 376
Shelf sediments off coast of India, Distribution of calcium carbonate in the 274
Shepps, V. C., article by 482
Size analysis, Mustang, Island, Texas, Differentiation of beach, dune, and aeolian flat environments by 211
Size distribution of rock types in stream gravel and glacial till 87
Size distribution of zircon and tourmaline grains in some samples of the Lissie Formation 361
Size distributions of zircon grains in some samples of the lower Beaumont Clay 36
"Size Factors," a means of analysis of data from textural studies of till 482
Smith, A. J., article by 97
Society of Economic Paleontologists and Mineralogists
Membership List 115
Program for S.E.P.M. Los Angeles meeting 113
Records and Activities 242, 381
Some apparently misunderstood aspects concerning stylolites 376
St. Marys, West Virginia, Petrography and porosity of the Cow Run Sand of 15
Straaten, L. M. J. U. van, article by 406
Stratigraphic analysis, Measurement and error in regional 175
Stream gravel and glacial till, Size distribution of rock types in 87
Stylolites, Comments on "Some apparently misunderstood aspects concerning stylolites" 378
Stylolites, Some apparently misunderstood aspects concerning 376
Surface sediment layers, modification of, by sea mussels (*Mytilus edulis*) 515
Suggestions for preparation of manuscripts for the *Journal of Sedimentary Petrology*, Rules and 102
"Superindividuals," and selenite in gypsum rock, Problem of the origin of fine-grained gypsum 510
Swain, F. M., article by 286
Syngenetic chert in the Middle Ordovician Hardy Creek Limestone of southwest Virginia 205

Tanner, W. F., articles by 95, 203, 342, 372
Techniques of sedimentary geochemistry: (1) separation of the detrital and nondetrital fractions of limestones 468
Terminology of rocks in the series bauxite-clay-iron oxide ore, Proposed classification and 93
Terrace deposits in panhandle Florida, Sedimentary analysis of 75
Texas coast, Heavy mineral variation in San Antonio and Mesquite Bays of the central 65
Texas, Depositional environment of the Ordovician succession in the Marathon region 389
Texas, Differentiation of beach, dune, and aeolian flat environments by size analysis, Mustang Island 211
Texas, Mass movements in Permian rocks of Trans-Pecos 298
"The Admirable Discourses of Bernard Palissy," review of 379
The zig-zag nature of type I and type IV curves 372
Thin sections of limestone, Etching technique for use on 200
Thompson, H. R. review by 370
Tidal action as the cause of clay accumulation 406
Till matrix, Electron micrography of 345
Till, "Size factors," as means of analysis of data from textural studies of 482
Tourmaline grains in some samples of the Lissie Formation, Size distribution of zircon and 361
Two undescribed structures in a greywacke series 97

Utah, Cyclic deposition in the Jurassic Carmel Formation of eastern 40

van Andel, T. H., discussion by 234
Van Horn, R., article by 31
van Straaten, L. M. J. U., article by 406
Vatan, A., discussion by 514
Vatter, A. E., article by 345
Virginia, Syngenetic chert in the Middle Ordovician Hardy Creek Limestone of southwest 205
Volcanic ash near Denver, Colorado, Alteration of 31

Washington, Coprolites: a review of the literature and a study of specimens from southern 498
Waskom, J. D., article by 351
Weber, J. N., article by 333
Weiss, M. P., article by 486
Welby, C. W., article by 431
West Virginia, Petrography and porosity of the Cow Run Sand, St. Marys 15
Whita Sandstone, southern Scotland, Petrology of the 57
White G. W., article by 345
Winters, S. S., article by 75
Wood, A., article by 97

Zig-zag nature of type I and type IV curves, The 372
Zircon and tourmaline grains in some samples of the Lissie Formation, Size distribution of 361
Zircon grains in some samples of the lower Beaumont Clay, Size distribution of 36